IN THE CLAIMS:

Please amend the claims as follows:

1. (currently amended) A smart card comprising:

processing and memory circuitry;

an interface for electrically connecting said smart card to a host device, said interface comprising a power line for receiving power from said host device;

a primary battery disposed in said smart card for providing power to said processing and memory circuitry; and

a secondary rechargeable battery disposed in said smart card for providing power to said processing and memory circuitry; ~~and~~

recharging circuitry for recharging said secondary battery with power from said host device; and

means for preventing said primary and secondary batteries from charging each other.

2. (original) The smart card of claim 1, wherein said primary battery is non-rechargeable.

3. (original) The smart card of claim 2, wherein said primary battery is a lithium battery.

4. (cancelled)

5. (original) The smart card of claim 1, further comprising a first diode preventing discharge of said secondary battery into said primary battery.

6. (original) The smart card of claim 1, further comprising a second diode preventing discharge of said primary battery into said secondary battery.

7. (original) The smart card of claim 1, further comprising access control data for a cable television system stored in said processing and memory circuitry.

8. (currently amended) A method of providing power to processing and memory circuitry of a smart card said method comprising:

providing a charged primary battery and a charged secondary battery in said smart card prior to installation of said smart card in a host device;

determining whether said primary or secondary battery has a higher voltage prior to installation of said smart card in said host device; and

providing power to said processing and memory circuitry with whichever battery has said higher voltage prior to installation of said smart card in said host device. ~~with a primary non-rechargeable battery disposed in said smart card;~~

~~providing a secondary rechargeable battery disposed in said smart card that is charged when said smart card is installed in a host device; and~~

~~charging said secondary rechargeable battery with power from said host device when said smart card is installed in said host device.~~

9. (original) The method of claim 8, wherein said primary battery is a lithium battery.

10. (original) The method of claim 8, further comprising:

installing said smart card in a host device;

electrically connecting said smart card to said host device and providing power to said smart card from said host device; and

charging said secondary battery with power from said host device.

11. (original) The method of claim 10, further comprising providing power to said processing and memory circuitry with said secondary battery when said smart card is removed from said host device.

12. (original) The method of claim 8, further comprising:

charging said secondary battery prior to installation of said smart card in a host device; and

powering said processing and memory circuitry with said secondary battery after depletion of said primary battery.

13. (original) The method of claim 8, further comprising preventing discharge of said secondary battery into said primary battery.

14. (original) The method of claim 8, further comprising preventing discharge of said primary battery into said secondary battery.

15. (original) The method of claim 8, further comprising storing access control data for a cable television system in said processing and memory circuitry of said smart card.

16-19. (cancelled)

20. (withdrawn) A set-top box comprising:

a connector for connecting to a cable television system; and

a smart card removeably connected to said set-top box, wherein said smart card stores programming for use by said set-top box in a processing and memory circuitry;

wherein said smart card further comprises:

an interface for electrically connecting said smart card to said set-top box, said interface comprising a power line for receiving power from said set-top box;

a primary battery disposed in said smart card for providing power to said processing and memory circuitry; and

a secondary rechargeable battery disposed in said smart card for providing power to said processing and memory circuitry; and

recharging circuitry for recharging said secondary battery with power from said set-top box.

21. (withdrawn) The set-top box of claim 20, wherein said primary battery is non-rechargeable.

22. (withdrawn) The set-top box of claim 21, wherein said primary battery is a lithium battery.

23. (withdrawn) The set-top box of claim 20, further comprising means for preventing said primary and secondary batteries from charging each other.

24. (withdrawn) The set-top box of claim 20, further comprising a first diode preventing discharge of said secondary battery into said primary battery.

25. (withdrawn) The set-top box of claim 20, further comprising a second diode preventing discharge of said primary battery into said secondary battery.

26. (withdrawn) The set-top box of claim 20, further comprising access control data for a cable television system stored in said processing and memory circuitry of said smart card.

27. (previously presented) A method of providing power to processing and memory circuitry of a smart card said method comprising:

providing power to said processing and memory circuitry with a primary non-rechargeable battery disposed in said smart card prior to installation of said smart card in a host device;

charging a secondary rechargeable battery with power from said host device when said smart card is installed in said host device; and

providing power to said processing and memory circuitry with said secondary battery when said primary battery is depleted and said smart card is removed from said host device.

28. (previously presented) The method of claim 27, wherein said primary battery is a lithium battery.

29. (currently amended) The method of claim 27, further comprising:

charging said secondary battery prior to installation of said smart card in a host device; and

powering said processing and memory circuitry with said secondary battery ~~after depletion of said primary battery and~~ prior to installation of said smart card in a host device.

30. (previously presented) The method of claim 27, further comprising:

preventing discharge of said secondary battery into said primary battery; and

preventing discharge of said primary battery into said secondary battery.

31. (previously presented) The method of claim 27, further comprising storing access control data for a cable television system in said processing and memory circuitry of said smart card.

32. (new) The method of claim 8, further comprising charging said secondary rechargeable battery with power from said host device when said smart card is installed in said host device.

33. (new) The method of claim 8, wherein said primary battery is non-rechargeable.

34. (new) The method of claim 8, further comprising periodically determining whether said primary or secondary battery has a higher voltage prior to installation of said smart card in said host device; and providing power to said processing and memory circuitry with whichever battery has said higher voltage prior to installation of said smart card in said host device.

35. (new) The method of claim 8, further comprising switching which of the two said batteries provides power to said processing and memory circuitry when a voltage of the battery supplying power drops below a voltage of the battery not supplying power.

36. (new) The method of claim 8, further comprising, if said primary and secondary batteries have an equal voltage, supplying power to said processing and memory circuitry with both said primary and secondary batteries.